#### **Table J1b. - Physical Properties of the Soils**

Lincoln County, West Virginia

Entries under "Erosion Factors—T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

| Map Symbol    | Donth In    | Sand | Silt | Clay           | Moist Bulk             | Permeability    | Available<br>Water     | Linear               | Organic       |     | rosion<br>actors |   | Wind                 | Wind                 |
|---------------|-------------|------|------|----------------|------------------------|-----------------|------------------------|----------------------|---------------|-----|------------------|---|----------------------|----------------------|
| and Soil Name | Depth In    | Pct  | Pct  | pcť            | Density g/cc           | (Ksat)<br>In/Hr | Capacity<br>In/In      | Extensibility<br>Pct | Matter<br>Pct | Kw  | Kf               | Т | Erodibility<br>Group | Erodibility<br>Index |
|               |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| 2:            | 0.5         |      |      | 45.07          | 4.00.4.40              | 0.0.0           | 0.40.0.00              | 0.0.0.0              | 4000          | 07  | 07               | _ | 0                    | 00                   |
| Nelse         | 0-5<br>5-18 |      |      | 15-27<br>15-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2  | 0.12-0.22<br>0.13-0.18 | 0.0-2.9<br>0.0-2.9   | 4.0-8.0       | .37 | .37              | 5 | 3                    | 86                   |
|               | 18-40       |      |      | 2-18           | 1.40-1.80              | 2-20            | 0.09-0.14              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 40-65       |      |      | 2-12           | 1.40-1.80              | 2-20            | 0.05-0.10              | 0.0-2.9              |               |     |                  |   |                      |                      |
| Chavies       |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Grigsby       |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Middlebury    |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Yeager        |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| 3A:           |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Sensabaugh    | 0-8         |      |      | 15-27          | 1.25-1.40              | 0.6-6           | 0.12-0.18              | 0.0-2.9              | 1.0-4.0       | .24 | .24              | 5 |                      |                      |
| •             | 8-15        |      |      | 15-27          | 1.25-1.40              | 0.6-6           | 0.12-0.18              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 15-24       |      |      | 15-27          | 1.25-1.40              | 0.7-6           | 0.10-0.16              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 24-30       |      |      | 7-20           | 1.25-1.40              | 1-6             | 0.10-0.16              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 30-40       |      |      | 7-20           | 1.20-1.50              | 1-6             | 0.08-0.14              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 40-65       |      |      | 7-20           | 1.20-1.50              | 2-6             | 0.08-0.14              | 0.0-2.9              |               |     |                  |   |                      |                      |
| Chagrin       |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Holly         |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Lobdell       |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Orrville      |             |      |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |

Lincoln County, West Virginia

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability (Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|---------------------|--------------------|-------------------------|-------------------|-----|--------|---|---------------------|---------------------|
| and Soil Name | Вериги   | Pct  | Pct  | pct   | Density g/cc | In/Hr               | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf     | Т | Group               | Index               |
| 3B:           |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Sensabaugh    | 8-0      |      |      | 15-27 | 1.25-1.40    | 0.6-6               | 0.12-0.18          | 0.0-2.9                 | 1.0-4.0           | .24 | .24    | 5 |                     |                     |
|               | 8-15     |      |      | 15-27 | 1.25-1.40    | 0.6-6               | 0.12-0.18          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 15-24    |      |      | 15-27 | 1.25-1.40    | 0.7-6               | 0.10-0.16          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 24-30    |      |      | 7-20  | 1.25-1.40    | 1-6                 | 0.10-0.16          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 30-40    |      |      | 7-20  | 1.20-1.50    | 1-6                 | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 40-65    |      |      | 7-20  | 1.20-1.50    | 2-6                 | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
| Grigsby       |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Lobdell       |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Orrville      |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| 0111          |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Skidmore      |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| 4:            |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Grigsby       | 0-10     |      |      | 5-10  | 1.20-1.40    | 2-6                 | 0.08-0.14          | 0.0-2.9                 | 2.0-4.0           | .28 | .28    | 5 | 5                   | 56                  |
|               | 10-14    |      |      | 5-10  | 1.20-1.40    | 2-6                 | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 14-39    |      |      | 5-10  | 1.20-1.40    | 2-6                 | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 39-45    |      |      | 5-10  | 1.20-1.50    | 2-6                 | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 45-49    |      |      | 2-8   | 1.20-1.50    | 2-6                 | 0.03-0.08          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 49-65    |      |      | 2-8   | 1.20-1.50    | 2-6                 | 0.03-0.08          | 0.0-2.9                 |                   |     |        |   |                     |                     |
| Chagrin       |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |
| Middlebury    |          |      |      |       |              |                     |                    |                         |                   |     |        |   |                     |                     |

5:

| Map Symbol    | Depth In       | Sand  | Silt | Clay           | Moist Bulk             | Permeability    | Available<br>Water     | Linear               | Organic       |     | rosion<br>actors |   | Wind                 | Wind                 |
|---------------|----------------|-------|------|----------------|------------------------|-----------------|------------------------|----------------------|---------------|-----|------------------|---|----------------------|----------------------|
| and Soil Name | Deptir in      | Pct   | Pct  | pct            | Density g/cc           | (Ksat)<br>In/Hr | Capacity<br>In/In      | Extensibility<br>Pct | Matter<br>Pct | Kw  | Kf               | Т | Erodibility<br>Group | Erodibility<br>Index |
| 5:            |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Orrville      | 0-6            |       |      | 7-27           | 1.25-1.45              | 0.6-2           | 0.18-0.22              | 0.0-2.9              | 2.0-4.0       | .37 | .37              | 5 | 6                    | 48                   |
|               | 6-12           |       |      | 12-27          | 1.30-1.50              | 0.6-2           | 0.18-0.22              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 12-17          |       |      | 12-27          | 1.30-1.50              | 0.6-2           | 0.18-0.22              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 17-30<br>30-36 |       |      | 12-27<br>12-27 | 1.30-1.50<br>1.30-1.50 | 0.6-2<br>0.6-2  | 0.18-0.22<br>0.18-0.22 | 0.0-2.9<br>0.0-2.9   |               |     |                  |   |                      |                      |
|               | 36-65          |       |      | 7-27           | 1.30-1.50              | 0.6-2           | 0.18-0.22              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 30-03          |       |      | 1-21           | 1.50-1.50              | 0.0-2           | 0.10-0.22              | 0.0-2.9              |               |     |                  |   |                      |                      |
| Lobdell       |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Holly         |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Chagrin       |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| 6:            |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Yeager        | 0-6            | 50-70 |      | 7-20           | 1.40-1.60              | 2-6             | 0.04-0.14              | 0.0-2.9              | 0.5-1.0       | .17 | .20              | 5 | 3                    | 86                   |
| -             | 6-10           | 70-91 |      | 5-15           | 1.40-1.70              | 2-20            | 0.05-0.10              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 10-19          | 70-91 |      | 5-15           | 1.40-1.70              | 2-20            | 0.05-0.10              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 19-53          | 70-91 |      | 5-15           | 1.40-1.70              | 2-20            | 0.05-0.10              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 53-65          | 70-91 |      | 5-15           | 1.40-1.70              | 2-20            | 0.05-0.10              | 0.0-2.9              |               |     |                  |   |                      |                      |
| Grigsby       |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Nolin         |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| 7:            |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |
| Moshannon     | 0-9            |       |      | 15-27          | 1.20-1.50              | 0.6-2           | 0.20-0.24              | 0.0-2.9              | 2.0-4.0       | .37 | .37              | 5 | 6                    | 48                   |
|               | 9-26           |       |      | 15-27          | 1.20-1.50              | 0.6-2           | 0.20-0.24              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 26-37          |       |      | 15-27          | 1.20-1.50              | 0.6-2           | 0.18-0.22              | 0.0-2.9              |               |     |                  |   |                      |                      |
|               | 37-65          |       |      | 7-20           | 1.20-1.50              | 0.6-2           | 0.14-0.18              | 0.0-2.9              |               |     |                  |   |                      |                      |
| Chagrin       |                |       |      |                |                        |                 |                        |                      |               |     |                  |   |                      |                      |

| Map Symbol    | Donth In       | Sand | Silt | Clay           | Moist Bulk             | Permeability    | Available<br>Water     | Linear<br>Extensibility | Organic       |     | Erosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------------|------|------|----------------|------------------------|-----------------|------------------------|-------------------------|---------------|-----|-------------------|---|---------------------|---------------------|
| and Soil Name | Depth In       | Pct  | Pct  | pct            | Density g/cc           | (Ksat)<br>In/Hr | Capacity<br>In/In      | Pct                     | Matter<br>Pct | Kw  | Kf                | Т | Group               | Index               |
| 7:            |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Nolin         |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Melvin        |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| 8:<br>Lobdell | 0-8            |      |      | 15-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 | 2.0-4.0       | .37 | .37               | 5 | 5                   | 56                  |
| Lobdeli       | 8-13           |      |      | 15-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 |               |     |                   | 3 | 3                   | 30                  |
|               | 13-21          |      |      | 15-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 |               |     |                   |   |                     |                     |
|               | 21-41<br>41-65 |      |      | 15-25<br>15-27 | 1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-6  | 0.20-0.24<br>0.12-0.18 | 0.0-2.9<br>0.0-2.9      |               |     |                   |   |                     |                     |
|               |                |      |      |                |                        |                 |                        | 0.0 =.0                 |               |     |                   |   |                     |                     |
| Middlebury    |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Grigsby       |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Orrville      |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Chagrin       |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| 12:           |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Chagrin       | 0-7            |      |      | 15-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 | 2.0-4.0       | .32 | .32               | 5 | 5                   | 56                  |
|               | 7-12           |      |      | 15-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 |               |     |                   |   |                     |                     |
|               | 12-39<br>39-56 |      |      | 15-27<br>12-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2  | 0.20-0.24<br>0.20-0.24 | 0.0-2.9<br>0.0-2.9      |               |     |                   |   |                     |                     |
|               | 56-65          |      |      | 12-27          | 1.20-1.40              | 0.6-2           | 0.20-0.24              | 0.0-2.9                 |               |     |                   |   |                     |                     |
|               | 30-03          |      |      | 12-21          | 1.20-1.40              | 0.0-2           | 0.20-0.24              | 0.0-2.0                 |               |     |                   |   |                     |                     |
| Nolin         |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Grigsby       |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |
| Holly         |                |      |      |                |                        |                 |                        |                         |               |     |                   |   |                     |                     |

| Map Symbol     | Depth In      | Sand           | Silt           | Clay           | Moist Bulk             | Permeability<br>(Ksat) | Available<br>Water     | Linear<br>Extensibility | Organic<br>Matter |            | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|----------------|---------------|----------------|----------------|----------------|------------------------|------------------------|------------------------|-------------------------|-------------------|------------|------------------|---|---------------------|---------------------|
| and Soil Name  | Дерин ин      | Pct            | Pct            | pct            | Density g/cc           | In/Hr                  | Capacity<br>In/In      | Pct                     | Pct               | Kw         | Kf               | Т | Group               | Index               |
| 12:<br>Lobdell |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Orrville       |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| 13:            |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Nolin          | 0-8           | 25-45          | 28-50          | 15-27          | 1.20-1.40              | 0.6-2                  | 0.12-0.22              | 0.0-2.9                 | 1.0-4.0           | .32        | .32              | 5 | 5                   | 56                  |
|                | 8-15<br>15-40 | 25-45<br>25-45 | 28-50<br>28-50 | 15-27<br>15-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2         | 0.13-0.18<br>0.13-0.18 | 0.0-2.9<br>0.0-2.9      |                   | .32<br>.32 | .32<br>.32       |   |                     |                     |
|                | 40-50         | 52-65          | 25-35          | 7-20           | 1.20-1.50              | 0.6-2                  | 0.13-0.16              | 0.0-2.9                 |                   | .28        | .28              |   |                     |                     |
|                | 50-65         | 52-65          | 25-35          | 7-20           | 1.20-1.50              | 0.6-2                  | 0.08-0.17              | 0.0-2.9                 |                   | .28        | .28              |   |                     |                     |
| Chagrin        |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Grigsby        |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Lindside       |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Newark         |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| 14:            |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Holly          | 0-6           |                |                | 15-27          | 1.20-1.40              | 0.6-2                  | 0.20-0.24              | 0.0-2.9                 | 2.0-4.0           | .28        | .28              | 5 | 6                   | 48                  |
|                | 6-35          |                |                | 15-27          | 1.20-1.50              | 0.6-2                  | 0.20-0.24              | 0.0-2.9                 |                   |            |                  |   |                     |                     |
|                | 35-49         |                |                | 15-27          | 1.20-1.50              | 0.6-2                  | 0.20-0.24              | 0.0-2.9                 |                   |            |                  |   |                     |                     |
|                | 49-65         |                |                | 7-27           | 1.20-1.40              | 0.6-2                  | 0.17-0.21              | 0.0-2.9                 |                   |            |                  |   |                     |                     |
| Orrville       |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Chagrin        |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |
| Grigsby        |               |                |                |                |                        |                        |                        |                         |                   |            |                  |   |                     |                     |

| Map Symbol    | Danith In | Sand | Silt | Clay  | Moist Bulk   | Permeability    | Available<br>Water | Linear               | Organic       |     | rosion |   | Wind                 | Wind                 |
|---------------|-----------|------|------|-------|--------------|-----------------|--------------------|----------------------|---------------|-----|--------|---|----------------------|----------------------|
| and Soil Name | Depth In  | Pct  | Pct  | pcť   | Density g/cc | (Ksat)<br>In/Hr | Capacity<br>In/In  | Extensibility<br>Pct | Matter<br>Pct | Kw  | Kf     | Т | Erodibility<br>Group | Erodibility<br>Index |
| 14:<br>Melvin | 0-9       |      |      | 12-17 | 1.20-1.60    | 0.6-2           | 0.18-0.23          | 0.0-2.9              | 0.5-3.0       | .43 | .43    | 5 |                      | 56                   |
| WEIVIII       | 9-60      |      |      | 12-35 | 1.30-1.60    | 0.6-2           | 0.18-0.23          | 0.0-2.9              |               | .43 | .43    | 3 |                      | 30                   |
|               | 60-64     |      |      | 7-35  | 1.40-1.70    | 0.6-2           | 0.16-0.23          | 0.0-2.9              |               | .43 | .43    |   |                      |                      |
| 15:           |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Middlebury    | 0-7       |      |      | 10-20 | 1.20-1.40    | 0.6-2           | 0.14-0.20          | 0.0-2.9              | 2.0-4.0       | .28 | .28    | 5 | 5                    | 56                   |
|               | 7-12      |      |      | 10-20 | 1.20-1.40    | 0.6-2           | 0.14-0.20          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 12-30     |      |      | 10-20 | 1.20-1.40    | 0.6-2           | 0.14-0.20          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 30-43     |      |      | 10-20 | 1.20-1.50    | 0.6-2           | 0.10-0.20          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 43-52     |      |      | 7-20  | 1.20-1.50    | 2-20            | 0.10-0.18          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 52-65     |      |      | 7-15  | 1.20-1.50    | 2-40            | 0.01-0.10          | 0.0-2.9              |               |     |        |   |                      |                      |
| Grigsby       |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Lobdell       |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Other Soils   |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Orrville      |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Yeager        |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| 16A:          |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |
| Cotaco        | 0-8       |      |      | 7-27  | 1.20-1.40    | 0.6-2           | 0.12-0.20          | 0.0-2.9              | 2.0-4.0       | .37 | .43    | 3 | 5                    | 56                   |
|               | 8-12      |      |      | 7-27  | 1.20-1.40    | 0.6-2           | 0.12-0.20          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 12-17     |      |      | 7-27  | 1.20-1.40    | 0.6-2           | 0.12-0.20          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 17-28     |      |      | 27-40 | 1.20-1.50    | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 28-39     |      |      | 27-40 | 1.20-1.50    | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 39-50     |      |      | 7-27  | 1.20-1.50    | 0.6-2           | 0.08-0.15          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 50-65     |      |      | 7-27  | 1.20-1.50    | 0.6-2           | 0.08-0.15          | 0.0-2.9              |               |     |        |   |                      |                      |
| Allegheny     |           |      |      |       |              |                 |                    |                      |               |     |        |   |                      |                      |

# Table J1b. - Physical Properties of the Soils - Continued Lincoln County, West Virginia

|             | o Symbol<br>Soil Name | Depth In       | Sand<br>Pct | Silt<br>Pct | Clay<br>pct    | Moist Bulk<br>Density g/cc | Permeability<br>(Ksat)<br>In/Hr | Available<br>Water<br>Capacity | Linear<br>Extensibility<br>Pct | Organic<br>Matter<br>Pct |     | rosion<br>actors<br>Kf | Т | Wind<br>Erodibility<br>Group | Wind<br>Erodibility<br>Index |
|-------------|-----------------------|----------------|-------------|-------------|----------------|----------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------|-----|------------------------|---|------------------------------|------------------------------|
|             |                       |                |             |             |                |                            |                                 | In/In                          |                                |                          |     |                        |   |                              |                              |
| Monongahel  | a                     |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| 16B:        |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Cotaco      |                       | 0-8            |             |             | 7-27           | 1.20-1.40                  | 0.6-2                           | 0.12-0.20                      | 0.0-2.9                        | 2.0-4.0                  | .37 | .43                    | 3 | 5                            | 56                           |
|             |                       | 8-12           |             |             | 7-27           | 1.20-1.40                  | 0.6-2                           | 0.12-0.20                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       | 12-17          |             |             | 7-27           | 1.20-1.40                  | 0.6-2                           | 0.12-0.20                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       | 17-28<br>28-39 |             |             | 27-40<br>27-40 | 1.20-1.50<br>1.20-1.50     | 0.6-2<br>0.6-2                  | 0.12-0.16<br>0.12-0.16         | 0.0-2.9<br>0.0-2.9             |                          |     |                        |   |                              |                              |
|             |                       | 26-39<br>39-50 |             |             | 7-40<br>7-27   | 1.20-1.50                  | 0.6-2<br>0.6-2                  | 0.12-0.16                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       | 50-65          |             |             | 7-27<br>7-27   | 1.20-1.50                  | 0.6-2                           | 0.08-0.15                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       | 30-03          |             |             | 1-21           | 1.20-1.50                  | 0.0-2                           | 0.00-0.13                      | 0.0-2.5                        |                          |     |                        |   |                              |                              |
| Allegheny   |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Monongahel  | a                     |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| 18:         |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Skidmore    |                       | 0-10           |             |             | 7-18           | 1.20-1.40                  | 2-6                             | 0.07-0.13                      | 0.0-2.9                        | 2.0-4.0                  | .17 | .24                    | 5 |                              |                              |
| Olidinoic   |                       | 10-22          |             |             | 7-18           | 1.30-1.60                  | 2-6                             | 0.04-0.10                      | 0.0-2.9                        | 2.0 4.0                  |     |                        | Ü |                              |                              |
|             |                       | 22-30          |             |             | 7-18           | 1.30-1.60                  | 2-6                             | 0.04-0.10                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       | 30-65          |             |             | 7-18           | 1.30-1.60                  | 2-6                             | 0.04-0.10                      | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|             |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Chagrin     |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
|             |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Other Soils |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
|             |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Sensabaugh  |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| · ·         |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
| Shelocta    |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |
|             |                       |                |             |             |                |                            |                                 |                                |                                |                          |     |                        |   |                              |                              |

21:

Lincoln County, West Virginia

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name |          | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 21:           |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Kanawha       | 0-6      |      |      | 10-20 | 1.20-1.40    | 0.6-2                  | 0.16-0.22          | 0.0-2.9                 | 2.0-4.0           | .24 | .28              | 4 | 5                   | 56                  |
|               | 6-10     |      |      | 10-25 | 1.20-1.40    | 0.6-2                  | 0.12-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 10-58    |      |      | 18-35 | 1.20-1.40    | 0.6-2                  | 0.16-0.22          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 58-66    |      |      | 18-30 | 1.20-1.50    | 0.6-2                  | 0.12-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 66-72    |      |      | 7-25  | 1.20-1.50    | 0.6-2                  | 0.12-0.18          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Other Soils   |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Urban Land    |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Melvin        |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| 21A:          |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Kanawha       | 0-6      |      |      | 10-20 | 1.20-1.40    | 0.6-2                  | 0.16-0.22          | 0.0-2.9                 | 2.0-4.0           | .24 | .28              | 4 | 5                   | 56                  |
|               | 6-10     |      |      | 10-25 | 1.20-1.40    | 0.6-2                  | 0.12-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 10-58    |      |      | 18-35 | 1.20-1.40    | 0.6-2                  | 0.16-0.22          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 58-66    |      |      | 18-30 | 1.20-1.50    | 0.6-2                  | 0.12-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 66-72    |      |      | 7-25  | 1.20-1.50    | 0.6-2                  | 0.12-0.18          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Gallipolis    |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Cotaco        |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Nelse         |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Nolin         |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |

21B:

Lincoln County, West Virginia

| Map Symbol<br>and Soil Name | Depth In                               | Sand<br>Pct                               | Silt<br>Pct                               | Clay                                     | Moist Bulk  | Permeability<br>(Ksat)                    | Available<br>Water  | Linear<br>Extensibility                             | Organic<br>Matter |                                 | rosion                          |   | Wind<br>Erodibility | Wind<br>Erodibility |
|-----------------------------|--|---|---|--|---|---|---|---|-------------------|---------------------------------|---------------------------------|---|---------------------|---------------------|
|                             | ·                                      | PCI                                       | PCI                                       | pct                                      | Density g/cc  | Ìn/Hr                                     | Capacity<br>In/In   | Pct   | Pct               | Kw                              | Kf                              | Т | Group               | Index               |
| 21B:<br>Kanawha             | 0-6<br>6-10<br>10-58<br>58-66<br>66-72 | <br><br>                                  | <br><br>                                  | 10-20<br>10-25<br>18-35<br>18-30<br>7-25 | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2 | 0.16-0.22<br>0.12-0.20<br>0.16-0.22<br>0.12-0.20<br>0.12-0.18 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 2.0-4.0           | .24<br><br><br>                 | .28<br><br><br>                 | 4 | 5                   | 56                  |
| Elk                         |  |   |   |  |   |   |   |   |                   |                                 |                                 |   |                     |                     |
| Gallipolis                  |  |   |   |  |   |   |   |   |                   |                                 |                                 |   |                     |                     |
| Monongahela                 |  |   |   |  |   |   |   |   |                   |                                 |                                 |   |                     |                     |
| Cotaco                      |  |   |   |  |   |   |   |   |                   |                                 |                                 |   |                     |                     |
| Nelse                       |  |   |   |  |   |   |   |   |                   |                                 |                                 |   |                     |                     |
| 24B:<br>Allegheny           | 0-8<br>8-15<br>15-40<br>40-50<br>50-65 | 25-45<br>25-45<br>25-45<br>52-65<br>52-65 | 28-50<br>28-50<br>28-50<br>25-35<br>25-35 | 15-27<br>15-27<br>15-27<br>7-20<br>7-20  | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2 | 0.12-0.22<br>0.13-0.18<br>0.13-0.18<br>0.08-0.17<br>0.08-0.17 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 1.0-4.0           | .32<br>.32<br>.32<br>.28<br>.28 | .32<br>.32<br>.32<br>.28        | 4 |                     | 56                  |
| Chavies                     | 0-12<br>12-43<br>43-70                 | <br>                                      | <br>                                      | 7-18<br>7-18<br>7-18                     | 1.20-1.40<br>1.20-1.40<br>1.30-1.50                           | 2-6<br>2-6<br>2-6                         | 0.11-0.18<br>0.11-0.20<br>0.08-0.18                           | 0.0-2.9<br>0.0-2.9<br>0.0-2.9                       | 0.5-4.0<br><br>   | .24<br>.24<br>.24               | .24<br>.24<br>.24               | 4 | 3                   | 86                  |
| 24C:<br>Allegheny           | 0-8<br>8-15<br>15-40<br>40-50<br>50-65 | 25-45<br>25-45<br>25-45<br>52-65<br>52-65 | 28-50<br>28-50<br>28-50<br>25-35<br>25-35 | 15-27<br>15-27<br>15-27<br>7-20<br>7-20  | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2 | 0.12-0.22<br>0.13-0.18<br>0.13-0.18<br>0.08-0.17<br>0.08-0.17 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 1.0-4.0           | .32<br>.32<br>.32<br>.28<br>.28 | .32<br>.32<br>.32<br>.28<br>.28 | 4 |                     | 56                  |

Distribution Generation Date: 5/20/02

| Map Symbol<br>and Soil Name | Depth In  | Sand<br>Pct      | Silt<br>Pct  | Clay<br>pct  | Moist Bulk<br>Density g/cc                                    | Permeability<br>(Ksat)<br>In/Hr                                 | Available<br>Water<br>Capacity<br>In/In                       | Linear<br>Extensibility<br>Pct                      | Organic<br>Matter<br>Pct |                   | rosion<br>actors<br>Kf | Т | Wind<br>Erodibility<br>Group | Wind<br>Erodibility<br>Index |
|-----------------------------|---|------------------|--------------|--|---|---|---|---|--------------------------|-------------------|------------------------|---|------------------------------|------------------------------|
| 24C:                        |   |                  |              |  |   |   |   |   |                          |                   |                        |   |                              |                              |
| Chavies                     | 0-12<br>12-43<br>43-70                                      | <br>             | <br>         | 7-18<br>7-18<br>7-18                               | 1.20-1.40<br>1.20-1.40<br>1.30-1.50                           | 2-6<br>2-6<br>2-6   | 0.11-0.18<br>0.11-0.20<br>0.08-0.18                           | 0.0-2.9<br>0.0-2.9<br>0.0-2.9                       | 0.5-4.0                  | .24<br>.24<br>.24 | .24<br>.24<br>.24      | 4 | 3                            | 86                           |
| 27C:                        |   |                  |              |  |   |   |   |   |                          |                   |                        |   |                              |                              |
| Latham                      | 0-4<br>4-8<br>8-28<br>28-33<br>33-36<br>36-44               | <br><br><br>     | <br><br><br> | 20-27<br>20-27<br>27-55<br>35-55<br>35-55          | 1.30-1.50<br>1.30-1.50<br>1.40-1.77<br>1.40-1.70<br>1.40-1.70 | 0.6-2<br>0.6-2<br>0.2-0.6<br>0.06-0.2<br>0.06-0.2<br>0.0000-0.2 | 0.16-0.20<br>0.16-0.20<br>0.11-0.19<br>0.11-0.15<br>0.11-0.15 | 0.0-2.9<br>0.0-2.9<br>3.0-9.0<br>6.0-9.0<br>6.0-9.0 | 2.0-4.0                  | .43               | .49<br><br><br>        | 3 | 6                            | 48                           |
| Gilpin                      | 0-2<br>2-3<br>3-6<br>6-9<br>9-16<br>16-22<br>22-28<br>28-33 | <br><br><br><br> |              | 15-27<br>15-27<br>15-27<br>15-27<br>18-35<br>18-35 | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2              | 0.12-0.18<br>0.12-0.16<br>0.12-0.16<br>0.12-0.14<br>0.12-0.14 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 2.0-4.0                  | <br>.32<br><br>   | <br>.43<br><br><br>    | 3 | 8                            | 0                            |
| Cavode                      |   |                  |              |  |   |   |   |   |                          |                   |                        |   |                              |                              |
| 27D:<br>Latham              | 0-4   |                  |              | 20-27  | 1.30-1.50   | 0.6-2   | 0.16-0.20   | 0.0-2.9   | 2.0-4.0                  | .43               | .49                    | 3 | 6                            | 48                           |
|                             | 4-8<br>8-28<br>28-33<br>33-36<br>36-44                      | <br><br>         | <br><br>     | 20-27<br>27-55<br>35-55<br>35-55                   | 1.30-1.50<br>1.40-1.77<br>1.40-1.70<br>1.40-1.70              | 0.6-2<br>0.2-0.6<br>0.06-0.2<br>0.06-0.2<br>0.0000-0.2          | 0.16-0.20<br>0.11-0.19<br>0.11-0.15<br>0.11-0.15              | 0.0-2.9<br>3.0-9.0<br>6.0-9.0<br>6.0-9.0            | <br><br>                 | <br><br>          | <br><br>               |   |                              |                              |

| Map Symbol    | Depth In    | Sand | Silt | Clay           | Moist Bulk             | Permeability<br>(Ksat) | Available<br>Water     | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|-------------|------|------|----------------|------------------------|------------------------|------------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | Дерит пт    | Pct  | Pct  | pct            | Density g/cc           | In/Hr                  | Capacity<br>In/In      | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 27D:          |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Gilpin        | 0-2         |      |      |                |                        |                        |                        |                         |                   |     |                  | 3 | 8                   | 0                   |
|               | 2-3         |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
|               | 3-6         |      |      | 15-27          | 1.20-1.40              | 0.6-2                  | 0.12-0.18              | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                     |                     |
|               | 6-9<br>9-16 |      |      | 15-27<br>15-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2         | 0.12-0.16<br>0.12-0.16 | 0.0-2.9<br>0.0-2.9      |                   |     |                  |   |                     |                     |
|               | 16-22       |      |      | 18-35          | 1.20-1.40              | 0.6-2                  | 0.12-0.16              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-28       |      |      | 18-35          | 1.20-1.50              | 0.6-2                  | 0.12-0.14              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 28-33       |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Cavode        |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Coolville     |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Lily          |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Upshur        |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Wharton       |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| 29D:          |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Lily          | 0-2         |      |      |                |                        |                        |                        |                         |                   |     |                  | 2 |                     | 56                  |
| •             | 2-8         |      |      | 5-20           | 1.20-1.40              | 2-6                    | 0.09-0.16              | 0.0-2.9                 | 2.0-4.0           | .28 | .28              |   |                     |                     |
|               | 8-12        |      |      | 5-20           | 1.20-1.40              | 2-6                    | 0.09-0.16              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 12-16       |      |      | 5-20           | 1.20-1.40              | 2-6                    | 0.09-0.16              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 16-26       |      |      | 7-27           | 1.20-1.40              | 2-6                    | 0.09-0.18              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 26-32       |      |      | 20-35          | 1.25-1.35              | 2-6<br>2-6             | 0.12-0.18              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 32-38<br>   |      |      | 5-20<br>       | 1.25-1.35<br>          | 0.0000-0.2             | 0.09-0.16              | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Marrowbone    |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |
| Gilpin        |             |      |      |                |                        |                        |                        |                         |                   |     |                  |   |                     |                     |

Lincoln County, West Virginia

| Map Symbol<br>and Soil Name | Depth In   | Sand<br>Pct  | Silt<br>Pct | Clay<br>pct   | Moist Bulk<br>Density g/cc   | Permeability<br>(Ksat)<br>In/Hr                             | Available<br>Water<br>Capacity<br>In/In                                    | Linear<br>Extensibility<br>Pct                                 | Organic<br>Matter<br>Pct    |                     | rosion<br>actors<br>Kf | Т | Wind<br>Erodibility<br>Group | Wind<br>Erodibility<br>Index |
|-----------------------------|--|--------------|-------------|---|--|---|--|--|-----------------------------|---------------------|------------------------|---|------------------------------|------------------------------|
| 29D:                        |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| Matewan                     |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| Muskingum                   |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| Ramsey                      |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| Udorthents                  |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| 29E:<br>Lily                | 0-2<br>2-8<br>8-12<br>12-16<br>16-26<br>26-32<br>32-38 | <br><br><br> |             | 5-20<br>5-20<br>5-20<br>5-20<br>7-27<br>20-35<br>5-20 | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.25-1.35<br>1.25-1.35 | 2-6<br>2-6<br>2-6<br>2-6<br>2-6<br>2-6<br>2-6<br>0.0000-0.2 | 0.09-0.16<br>0.09-0.16<br>0.09-0.16<br>0.09-0.18<br>0.12-0.18<br>0.09-0.16 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 2.0-4.0<br><br><br><br><br> | <br>.28<br><br><br> | <br>.28<br><br><br>    | 2 |                              | 86                           |
| Marrowbone                  |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |
| Matewan                     |  |              |             |   |  |   |  |  |                             |                     |                        |   |                              |                              |

29F:

Lincoln County, West Virginia

| Map Symbol<br>and Soil Name | Depth In | Sand<br>Pct | Silt<br>Pct | Clay<br>pct | Moist Bulk<br>Density g/cc | Permeability<br>(Ksat)<br>In/Hr | Available<br>Water<br>Capacity<br>In/In | Linear<br>Extensibility<br>Pct | Organic<br>Matter<br>Pct |     | rosion<br>actors<br>Kf | Т | Wind<br>Erodibility<br>Group | Wind<br>Erodibility<br>Index |
|-----------------------------|----------|-------------|-------------|-------------|----------------------------|---------------------------------|---|--------------------------------|--------------------------|-----|------------------------|---|------------------------------|------------------------------|
| 29F:                        |          |             |             |             |                            |                                 |   |                                |                          |     |                        |   |                              |                              |
| Sharpcrest                  | 0-1      |             |             |             |                            |                                 |   |                                |                          |     |                        | 4 | 5                            | 56                           |
|                             | 1-2      |             |             |             |                            |                                 |   |                                |                          |     |                        | • | · ·                          |                              |
|                             | 2-4      |             |             | 5-20        | 1.00-1.60                  | 2-6                             | 0.12-0.22                               | 0.0-2.9                        | 2.0-4.0                  | .20 | .24                    |   |                              |                              |
|                             | 4-7      |             |             | 5-20        | 1.00-1.60                  | 2-6                             | 0.12-0.22                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 7-13     |             |             | 5-20        | 1.00-1.60                  | 2-6                             | 0.12-0.22                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 13-32    |             |             | 5-20        | 1.20-1.70                  | 2-6                             | 0.12-0.22                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 32-39    |             |             | 5-20        | 1.20-1.50                  | 2-6                             | 0.10-0.18                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 39-48    |             |             | 5-12        | 1.20-1.70                  | 0.6-6                           | 0.10-0.18                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 48-52    |             |             |             |                            | 0.0000-0.2                      |   |                                |                          |     |                        |   |                              |                              |
| Hazleton                    | 0-1      |             |             |             |                            |                                 |   |                                |                          |     |                        | 5 |                              |                              |
| Tazioton                    | 1-2      |             |             | 7-20        | 1.20-1.40                  | 2-6                             | 0.12-0.16                               | 0.0-2.9                        | 2.0-4.0                  | .17 | .17                    | Ŭ |                              |                              |
|                             | 2-5      |             |             | 7-20        | 1.20-1.40                  | 2-6                             | 0.12-0.16                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 5-13     |             |             | 7-20        | 1.20-1.40                  | 2-6                             | 0.10-0.14                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 13-23    |             |             | 7-20        | 1.20-1.40                  | 2-6                             | 0.10-0.14                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 23-41    |             |             | 7-20        | 1.20-1.50                  | 2-40                            | 0.08-0.12                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 41-46    |             |             | 7-20        | 1.20-1.50                  | 2-40                            | 0.08-0.12                               | 0.0-2.9                        |                          |     |                        |   |                              |                              |
|                             | 46-50    |             |             |             |                            | 0.0000-0.2                      |   |                                |                          |     |                        |   |                              |                              |
| Marrowbone                  |          |             |             |             |                            |                                 |   |                                |                          |     |                        |   |                              |                              |
| Gilpin                      |          |             |             |             |                            |                                 |   |                                |                          |     |                        |   |                              |                              |
| Matewan                     |          |             |             |             |                            |                                 |   |                                |                          |     |                        |   |                              |                              |

31C:

| Map Symbol    | Don'th In              | Sand | Silt | Clay      | Moist Bulk    | Permeability    | Available<br>Water | Linear               | Organic       | E   | rosion | 1 | Wind                 | Wind                 |
|---------------|------------------------|------|------|-----------|---------------|-----------------|--------------------|----------------------|---------------|-----|--------|---|----------------------|----------------------|
| and Soil Name | Depth In               | Pct  | Pct  | pct       | Density g/cc  | (Ksat)<br>In/Hr | Capacity<br>In/In  | Extensibility<br>Pct | Matter<br>Pct | Kw  | Kf     | Т | Erodibility<br>Group | Erodibility<br>Index |
| 31C:          |                        |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
| Gilpin        | 0-2                    |      |      |           |               |                 |                    |                      |               |     |        | 3 |                      |                      |
| C.i.p.i.i     | 2-3                    |      |      |           |               |                 |                    |                      |               |     |        | Ŭ |                      |                      |
|               | 3-6                    |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.18          | 0.0-2.9              | 2.0-4.0       | .32 | .43    |   |                      |                      |
|               | 6-9                    |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 9-16                   |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 16-22                  |      |      | 18-35     | 1.20-1.50     | 0.6-2           | 0.12-0.14          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 22-28                  |      |      | 18-35     | 1.20-1.50     | 0.6-2           | 0.12-0.14          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 28-33                  |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
| Lleabore      | 0.4                    |      |      |           |               |                 |                    |                      |               |     |        | 2 | 7                    | 20                   |
| Upshur        | 0-1<br>1-4             |      |      | <br>15-27 | <br>1.20-1.40 | <br>0.6-2       | 0.12-0.16          | 3.0-6.0              | 2.0-4.0       | .43 | .43    | 3 | /                    | 38                   |
|               | 1- <del>4</del><br>4-8 |      |      | 15-27     | 1.20-1.40     | 0.6-2<br>0.6-2  | 0.12-0.16          | 3.0-6.0              |               |     |        |   |                      |                      |
|               | 4-6<br>8-24            |      |      | 40-50     | 1.30-1.50     | 0.6-2           | 0.12-0.16          | 6.0-9.0              |               |     |        |   |                      |                      |
|               | 24-32                  |      |      | 40-60     | 1.30-1.60     | 0.6-2           | 0.10-0.14          | 6.0-9.0              |               |     |        |   |                      |                      |
|               | 32-41                  |      |      | 40-60     | 1.30-1.60     | 0.0-2           | 0.10-0.14          | 6.0-9.0              |               |     |        |   |                      |                      |
|               | 41-47                  |      |      | 40-60     | 1.30-1.60     | 0.06-0.2        | 0.10-0.14          | 6.0-9.0              |               |     |        |   |                      |                      |
|               | 47-51                  |      |      |           | 1.30-1.00     | 0.01-0.04       | 0.10-0.14          | 0.0-9.0              |               |     |        |   |                      |                      |
|               | 47-51                  |      |      |           |               | 0.01-0.04       |                    |                      |               |     |        |   |                      |                      |
| Latham        |                        |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
| Other Soils   |                        |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
| 31D:          |                        |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
| Gilpin        | 0-2                    |      |      |           |               |                 |                    |                      |               |     |        | 3 |                      |                      |
| - 1           | 2-3                    |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |
|               | 3-6                    |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.18          | 0.0-2.9              | 2.0-4.0       | .32 | .43    |   |                      |                      |
|               | 6-9                    |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 9-16                   |      |      | 15-27     | 1.20-1.40     | 0.6-2           | 0.12-0.16          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 16-22                  |      |      | 18-35     | 1.20-1.50     | 0.6-2           | 0.12-0.14          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 22-28                  |      |      | 18-35     | 1.20-1.50     | 0.6-2           | 0.12-0.14          | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 28-33                  |      |      |           |               |                 |                    |                      |               |     |        |   |                      |                      |

| Map Symbol    | Donth In | Sand | Silt | Clay  | Moist Bulk   | Permeability    | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind                 | Wind                 |
|---------------|----------|------|------|-------|--------------|-----------------|--------------------|-------------------------|-------------------|-----|------------------|---|----------------------|----------------------|
| and Soil Name | Depth In | Pct  | Pct  | pct   | Density g/cc | (Ksat)<br>In/Hr | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Erodibility<br>Group | Erodibility<br>Index |
| 31D:          |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| Upshur        | 0-1      |      |      |       |              |                 |                    |                         |                   |     |                  | 3 | 7                    | 38                   |
| •             | 1-4      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 3.0-6.0                 | 2.0-4.0           | .43 | .43              |   |                      |                      |
|               | 4-8      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 3.0-6.0                 |                   |     |                  |   |                      |                      |
|               | 8-24     |      |      | 40-50 | 1.30-1.50    | 0.2-0.6         | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 24-32    |      |      | 40-60 | 1.30-1.60    | 0.6-2           | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 32-41    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2        | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 41-47    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2        | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 47-51    |      |      |       |              | 0.01-0.04       |                    |                         |                   |     |                  |   |                      |                      |
| Latham        |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| Other Soils   |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| 31E:          |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| Gilpin        | 0-2      |      |      |       |              |                 |                    |                         |                   |     |                  | 3 |                      |                      |
| •             | 2-3      |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
|               | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                      |                      |
|               | 6-9      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                      |                      |
|               | 9-16     |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                      |                      |
|               | 16-22    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                      |                      |
|               | 22-28    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                      |                      |
|               | 28-33    |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| Other Soils   |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                      |                      |
| Upshur        | 0-1      |      |      |       |              |                 |                    |                         |                   |     |                  | 3 | 7                    | 38                   |
| - In a comme  | 1-4      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 3.0-6.0                 | 2.0-4.0           | .43 | .43              | - | •                    |                      |
|               | 4-8      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 3.0-6.0                 |                   |     |                  |   |                      |                      |
|               | 8-24     |      |      | 40-50 | 1.30-1.50    | 0.2-0.6         | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 24-32    |      |      | 40-60 | 1.30-1.60    | 0.6-2           | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 32-41    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2        | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 41-47    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2        | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                      |                      |
|               | 47-51    |      |      |       |              | 0.01-0.04       |                    |                         |                   |     |                  |   |                      |                      |

Lincoln County, West Virginia

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors | ı | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | Бората   | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 31E:          |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| 31F:          |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Gilpin        | 0-2      |      |      |       |              |                        |                    |                         |                   |     |                  | 3 |                     |                     |
|               | 2-3      |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
|               | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                     |                     |
|               | 6-9      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 9-16     |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 16-22    |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-28    |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 28-33    |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Upshur        | 0-1      |      |      |       |              |                        |                    |                         |                   |     |                  | 3 | 7                   | 38                  |
| Ороны         | 1-4      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 3.0-6.0                 | 2.0-4.0           | .43 | .43              | Ū | ,                   | 00                  |
|               | 4-8      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 8-24     |      |      | 40-50 | 1.30-1.50    | 0.2-0.6                | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 24-32    |      |      | 40-60 | 1.30-1.60    | 0.6-2                  | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 32-41    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 41-47    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.10-0.14          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 47-51    |      |      |       |              | 0.01-0.04              |                    |                         |                   |     |                  |   |                     |                     |
| Rayne         |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| rayne         |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Peabody       |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |

32E:

Lincoln County, West Virginia

| Map Symbol<br>and Soil Name | Depth In | Sand<br>Pct | Silt<br>Pct | Clay  | Moist Bulk<br>Density g/cc | Permeability<br>(Ksat) | Available<br>Water<br>Capacity | Linear<br>Extensibility | Organic<br>Matter | F   | rosion |   | Wind<br>Erodibility | Wind<br>Erodibility |
|-----------------------------|----------|-------------|-------------|-------|----------------------------|------------------------|--------------------------------|-------------------------|-------------------|-----|--------|---|---------------------|---------------------|
|                             |          |             |             | ,     | 3 3 3                      | In/Hr                  | ln/ln                          | Pct                     | Pct               | Kw  | Kf     | Т | Group               | Index               |
| 005                         |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| 32E:<br>Gilpin              | 0-2      |             |             |       |                            |                        |                                |                         |                   |     |        | 3 |                     |                     |
| Olipin                      | 2-3      |             |             |       |                            |                        |                                |                         |                   |     |        | J |                     |                     |
|                             | 3-6      |             |             | 15-27 | 1.20-1.40                  | 0.6-2                  | 0.12-0.18                      | 0.0-2.9                 | 2.0-4.0           | .32 | .43    |   |                     |                     |
|                             | 6-9      |             |             | 15-27 | 1.20-1.40                  | 0.6-2                  | 0.12-0.16                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 9-16     |             |             | 15-27 | 1.20-1.40                  | 0.6-2                  | 0.12-0.16                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 16-22    |             |             | 18-35 | 1.20-1.50                  | 0.6-2                  | 0.12-0.14                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 22-28    |             |             | 18-35 | 1.20-1.50                  | 0.6-2                  | 0.12-0.14                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 28-33    |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
|                             |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| Wharton                     | 0-1      |             |             |       |                            |                        |                                |                         |                   |     |        | 3 |                     | 56                  |
|                             | 1-3      |             |             | 12-27 | 1.10-1.30                  | 0.6-2                  | 0.16-0.20                      | 0.0-2.9                 | 2.0-4.0           | .37 | .37    |   |                     |                     |
|                             | 3-8      |             |             | 12-27 | 1.10-1.30                  | 0.6-2                  | 0.16-0.20                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 8-20     |             |             | 27-40 | 1.20-1.50                  | 0.06-0.6               | 0.12-0.16                      | 3.0-6.0                 |                   |     |        |   |                     |                     |
|                             | 20-35    |             |             | 27-40 | 1.20-1.50                  | 0.06-0.6               | 0.12-0.16                      | 3.0-6.0                 |                   |     |        |   |                     |                     |
|                             | 35-47    |             |             | 12-27 | 1.20-1.50                  | 0.06-0.6               | 0.10-0.14                      | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                             | 47-53    |             |             |       |                            | 0.0000-0.03            |                                |                         |                   |     |        |   |                     |                     |
| Blairton                    |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| Biaii tori                  |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| Marrowbone                  |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| Mariowbone                  |          |             | _           |       |                            | -                      |                                |                         | ·                 |     | _      |   |                     |                     |
| Matewan                     |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
|                             |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |
| Rayne                       |          |             |             |       |                            |                        |                                |                         |                   |     |        |   |                     |                     |

32F:

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability    | Available<br>Water | Linear<br>Extensibility | Organic       | [   | Erosion<br>Factors | )<br>; | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|-----------------|--------------------|-------------------------|---------------|-----|--------------------|--------|---------------------|---------------------|
| and Soil Name | Depin in | Pct  | Pct  | pct   | Density g/cc | (Ksat)<br>In/Hr | Capacity<br>In/In  | Pct                     | Matter<br>Pct | Kw  | Kf                 | Т      | Group               | Index               |
| 32F:          |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Gilpin        | 0-2      |      |      |       |              |                 |                    |                         |               |     |                    | 3      |                     |                     |
| Cp            | 2-3      |      |      |       |              |                 |                    |                         |               |     |                    | ·      |                     |                     |
|               | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0       | .32 | .43                |        |                     |                     |
|               | 6-9      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 9-16     |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 16-22    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 22-28    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 28-33    |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Matewan       |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Muskingum     |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Peabody       |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Upshur        |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Other Soils   |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| 33C:          |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| 330.          |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| 33D:          |          |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |
| Gilpin        | 0-2      |      |      |       |              |                 |                    |                         |               |     |                    | 3      |                     |                     |
| •             | 2-3      |      |      |       |              |                 |                    |                         |               |     |                    | -      |                     |                     |
|               | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0       | .32 | .43                |        |                     |                     |
|               | 6-9      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 9-16     |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.16          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 16-22    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 22-28    |      |      | 18-35 | 1.20-1.50    | 0.6-2           | 0.12-0.14          | 0.0-2.9                 |               |     |                    |        |                     |                     |
|               | 28-33    |      |      |       |              |                 |                    |                         |               |     |                    |        |                     |                     |

Lincoln County, West Virginia

| Map Symbol        | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion |   | Wind<br>Erodibility | Wind<br>Erodibility |
|-------------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|--------|---|---------------------|---------------------|
| and Soil Name     | Веритип  | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf     | Т | Group               | Index               |
| 33D:<br>Muskingum |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Wharton           |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Latham            |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Lily              |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Other Soils       |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Rayne             |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| 33E:              |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Gilpin            | 0-2      |      |      |       |              |                        |                    |                         |                   |     |        | 3 |                     |                     |
|                   | 2-3      |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
|                   | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0           | .32 | .43    |   |                     |                     |
|                   | 6-9      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                   | 9-16     |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                   | 16-22    |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                   | 22-28    |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|                   | 28-33    |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Marrowbone        |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Matewan           |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Muskingum         |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |

34E:

Lincoln County, West Virginia

| Map Symbol    | Depth In  | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|-----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | Dopur III | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 34E:          |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Gilpin        | 0-2       |      |      |       |              |                        |                    |                         |                   |     |                  | 3 |                     |                     |
|               | 2-3       |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
|               | 3-6       |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.18          | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                     |                     |
|               | 6-9       |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 9-16      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 16-22     |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-28     |      |      | 18-35 | 1.20-1.50    | 0.6-2                  | 0.12-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 28-33     |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Matewan       | 0-1       |      |      |       |              |                        |                    |                         |                   |     |                  | 2 |                     |                     |
|               | 1-3       |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20              |   |                     |                     |
|               | 3-6       |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 6-15      |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 15-23     |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.06-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 23-31     |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.05-0.10          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 31-36     |      |      |       |              | 2-6                    |                    |                         |                   |     |                  |   |                     |                     |
| Marrowbone    |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Wharton       |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Muskingum     |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Ramsey        |           |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |

34F:

Lincoln County, West Virginia

| Map Symbol    | Depth In    | Sand | Silt  | Clay         | Moist Bulk             | Permeability<br>(Ksat) | Available<br>Water     | Linear<br>Extensibility | Organic<br>Matter |     | rosion |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|-------------|------|-------|--------------|------------------------|------------------------|------------------------|-------------------------|-------------------|-----|--------|---|---------------------|---------------------|
| and Soil Name | Веригиг     | Pct  | Pct   | pct          | Density g/cc           | In/Hr                  | Capacity<br>In/In      | Pct                     | Pct               | Kw  | Kf     | Т | Group               | Index               |
| 34F:          |             |      |       |              |                        |                        |                        |                         |                   |     |        |   |                     |                     |
| Rayne         | 0-2         |      |       |              |                        |                        |                        |                         |                   |     |        | 3 |                     |                     |
| rayio         | 2-7         |      |       | 15-27        | 1.20-1.40              | 0.6-2                  | 0.14-0.18              | 0.0-2.9                 | 2.0-4.0           | .28 | .32    | Ū |                     |                     |
|               | 7-11        |      |       | 15-27        | 1.20-1.40              | 0.6-2                  | 0.12-0.16              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 11-21       |      |       | 15-27        | 1.20-1.40              | 0.6-2                  | 0.12-0.16              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 21-35       |      |       | 27-40        | 1.40-1.60              | 0.6-2                  | 0.12-0.16              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 35-44       |      |       | 12-27        | 1.40-1.60              | 0.6-2                  | 0.10-0.16              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 44-48       |      |       | 12-27        | 1.40-1.60              | 0.6-2                  | 0.10-0.16              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 48-53       |      |       |              |                        | 0.06-2                 |                        |                         |                   |     |        |   |                     |                     |
|               | 0.4         |      |       |              |                        |                        |                        |                         |                   |     |        | _ |                     |                     |
| Matewan       | 0-1         |      |       | 7.00         | 4 20 4 50              |                        | 0.00.040               |                         |                   |     |        | 2 |                     |                     |
|               | 1-3<br>3-6  |      |       | 7-20<br>7-20 | 1.20-1.50<br>1.20-1.50 | 6-20<br>6-20           | 0.08-0.12<br>0.08-0.12 | 0.0-2.9<br>0.0-2.9      | 2.0-4.0           | .24 | .20    |   |                     |                     |
|               | 3-6<br>6-15 |      |       | 7-20<br>7-20 | 1.20-1.50              | 6-20<br>6-20           | 0.08-0.12              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 15-23       |      |       | 7-20<br>7-20 | 1.20-1.50              | 6-20<br>6-20           | 0.06-0.12              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 23-31       |      |       | 7-20<br>7-20 | 1.20-1.50              | 6-20                   | 0.05-0.12              | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 31-36       |      |       |              |                        | 2-6                    |                        | 0.0-2.3                 |                   |     |        |   |                     |                     |
|               |             |      |       |              |                        |                        |                        |                         |                   |     |        |   |                     |                     |
| Gilpin        | 0-2         |      |       |              |                        |                        |                        |                         |                   |     |        | 3 |                     |                     |
|               | 2-3         |      |       |              |                        |                        |                        |                         |                   |     |        |   |                     |                     |
|               | 3-6         |      | 60-80 | 5-15         | 1.20-1.40              | 0.6-2                  | 0.12-0.18              | 0.0-2.9                 | 0.5-4.0           | .32 | .32    |   |                     |                     |
|               | 6-9         |      | 60-80 | 5-15         | 1.20-1.50              | 0.6-2                  | 0.12-0.16              | 0.0-2.9                 |                   | .24 | .28    |   |                     |                     |
|               | 9-16        |      | 60-80 | 5-15         | 1.20-1.50              | 0.6-2                  | 0.08-0.12              | 0.0-2.9                 |                   | .24 | .32    |   |                     |                     |
|               | 16-22       |      | 50-70 | 25-35        |                        |                        |                        | 0.2-3.1                 |                   |     |        |   |                     |                     |
|               | 22-28       |      | 50-70 | 25-35        |                        |                        |                        | 0.2-3.1                 |                   |     |        |   |                     |                     |
|               | 28-33       |      |       |              |                        |                        |                        |                         |                   |     |        |   |                     |                     |
| Hazleton      | 0-7         |      |       | 7-18         | 1.20-1.40              | 2-6                    | 0.10-0.14              | 0.0-2.9                 | 2.0-4.0           | .17 |        | 5 |                     |                     |
|               | 7-36        |      |       | 7-18         | 1.20-1.40              | 2-20                   | 0.08-0.12              | 0.0-2.9                 |                   | .15 |        | - |                     |                     |
|               | 36-70       |      |       | 5-15         | 1.20-1.40              | 2-20                   | 0.06-0.12              | 0.0-2.9                 |                   | .15 |        |   |                     |                     |
|               | 70-74       |      |       |              |                        |                        |                        |                         |                   |     |        |   |                     |                     |

35F:

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|--------|---|---------------------|---------------------|
| and Soil Name |          | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf     | Т | Group               | Index               |
| 35F:          |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Clymer        | 0-1      |      |      |       |              |                        |                    |                         |                   |     |        | 3 |                     | 48                  |
| - ,           | 1-5      |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.10-0.14          | 0.0-2.9                 | 2.0-4.0           | .24 | .28    |   |                     |                     |
|               | 5-13     |      |      | 15-27 | 1.20-1.40    | 0.6-2                  | 0.10-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 13-21    |      |      | 27-40 | 1.20-1.50    | 0.6-2                  | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 21-38    |      |      | 27-40 | 1.20-1.50    | 0.6-2                  | 0.08-0.14          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 38-53    |      |      | 7-20  | 1.20-1.40    | 2-6                    | 0.04-0.08          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 53-58    |      |      |       |              | 2-6                    |                    |                         |                   |     |        |   |                     |                     |
| Matewan       | 0-1      |      |      |       |              |                        |                    |                         |                   |     |        | 2 |                     | 48                  |
| Matewall      | 1-3      |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20    | _ |                     | 40                  |
|               | 3-6      |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20    |   |                     |                     |
|               | 6-15     |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 15-23    |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.06-0.12          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 23-31    |      |      | 7-20  | 1.20-1.50    | 6-20                   | 0.05-0.10          | 0.0-2.9                 |                   |     |        |   |                     |                     |
|               | 31-36    |      |      |       |              | 2-6                    |                    |                         |                   |     |        |   |                     |                     |
| Other Soils   |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Other Soils   |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| 37E:          |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Gilpin        |          |      |      |       |              |                        |                    |                         |                   |     |        |   |                     |                     |
| Latham        | 0-4      |      |      | 20-27 | 1.30-1.50    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 | 2.0-4.0           | .43 | .49    | 3 | 6                   | 48                  |
|               | 4-8      |      |      | 20-27 | 1.30-1.50    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 |                   |     |        | Ū | Ü                   | .0                  |
|               | 8-28     |      |      | 27-55 | 1.40-1.77    | 0.2-0.6                | 0.11-0.19          | 3.0-9.0                 |                   |     |        |   |                     |                     |
|               | 28-33    |      |      | 35-55 | 1.40-1.70    | 0.06-0.2               | 0.11-0.15          | 6.0-9.0                 |                   |     |        |   |                     |                     |
|               | 33-36    |      |      | 35-55 | 1.40-1.70    | 0.06-0.2               | 0.11-0.15          | 6.0-9.0                 |                   |     |        |   |                     |                     |
|               | 36-44    |      |      |       |              | 0.0000-0.2             |                    |                         |                   |     |        |   |                     |                     |

| Map Symbol    | Depth In | Sand | Silt | Clay | Moist Bulk   | Permeability    | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | Erosion<br>Factors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|------|--------------|-----------------|--------------------|-------------------------|-------------------|-----|--------------------|---|---------------------|---------------------|
| and Soil Name | Бериги   | Pct  | Pct  | pct  | Density g/cc | (Ksat)<br>In/Hr | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf                 | Т | Group               | Index               |
| 37E:          |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| Matewan       | 0-1      |      |      |      |              |                 |                    |                         |                   |     |                    | 2 | 6                   | 48                  |
|               | 1-3      |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20                |   |                     |                     |
|               | 3-6      |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 6-15     |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 15-23    |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.06-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 23-31    |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.05-0.10          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 31-36    |      |      |      |              | 2-6             |                    |                         |                   |     |                    |   |                     |                     |
| Upshur        |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| Rayne         |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| Other Soils   |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| Wharton       |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| 38F:          |          |      |      |      |              |                 |                    |                         |                   |     |                    |   |                     |                     |
| Highsplint    | 0-2      |      |      |      |              |                 |                    |                         |                   |     |                    | 3 | 8                   | 0                   |
| 0 1           | 2-5      |      |      | 7-27 | 1.10-1.30    | 0.6-6           | 0.07-0.15          | 0.0-2.9                 | 2.0-4.0           | .15 | .20                |   |                     |                     |
|               | 5-11     |      |      | 7-27 | 1.10-1.30    | 0.6-6           | 0.07-0.15          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 11-33    |      |      | 7-27 | 1.10-1.30    | 0.6-6           | 0.07-0.15          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 33-50    |      |      | 7-20 | 1.10-1.30    | 0.6-6           | 0.07-0.15          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 50-65    |      |      | 7-20 | 1.10-1.30    | 0.6-6           | 0.05-0.10          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
| Matewan       | 0-1      |      |      |      |              |                 |                    |                         |                   |     |                    | 2 |                     |                     |
|               | 1-3      |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20                |   |                     |                     |
|               | 3-6      |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 6-15     |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.08-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 15-23    |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.06-0.12          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 23-31    |      |      | 7-20 | 1.20-1.50    | 6-20            | 0.05-0.10          | 0.0-2.9                 |                   |     |                    |   |                     |                     |
|               | 31-36    |      |      |      |              | 2-6             |                    |                         |                   |     |                    |   |                     |                     |

| Map Symbol<br>and Soil Name | Depth In | Sand<br>Pct | Silt<br>Pct | Clay<br>pct  | Moist Bulk<br>Density g/cc | Permeability<br>(Ksat) | Available<br>Water<br>Capacity | Linear<br>Extensibility | Organic<br>Matter | F       | Frosion<br>actors | 1 | Wind<br>Erodibility | Wind<br>Erodibility |
|-----------------------------|----------|-------------|-------------|--------------|----------------------------|------------------------|--------------------------------|-------------------------|-------------------|---------|-------------------|---|---------------------|---------------------|
| and con rame                |          |             | . 00        | pot          | Bonony groo                | In/Hr                  | In/In                          | Pct                     | Pct               | Kw      | Kf                | Т | Group               | Index               |
| 38F:                        |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| Cloverlick                  | 0-2      |             |             |              |                            |                        |                                |                         |                   |         |                   | 3 | 8                   | 0                   |
| Olovernok                   | 2-9      |             |             | 7-27         | 1.00-1.20                  | 0.6-6                  | 0.13-0.20                      | 0.0-2.9                 | 5.0-8.0           | .15     | .20               | 3 | O                   | O                   |
|                             | 9-13     |             |             | 7-27         | 1.00-1.20                  | 0.6-6                  | 0.13-0.18                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 13-29    |             |             | 7-27         | 1.10-1.30                  | 0.6-6                  | 0.13-0.18                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 29-45    |             |             | 7-20         | 1.10-1.30                  | 0.6-6                  | 0.08-0.17                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 45-50    |             |             | 7-20         | 1.30-1.50                  | 0.6-6                  | 0.08-0.17                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 50-65    |             |             | 7-20         | 1.30-1.60                  | 0.6-6                  | 0.05-0.12                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
| Other Soils                 |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
|                             |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| Shelocta                    |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| Fedscreek                   |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| Gilpin                      |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| 39F:                        |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |
| Berks                       | 0-1      |             |             |              |                            |                        |                                |                         |                   |         |                   | 3 |                     |                     |
| Beiks                       | 1-3      |             |             | <br>7-27     | 1.20-1.50                  | 0.6-2                  | 0.08-0.12                      | 0.0-2.9                 | 1.0-2.0           | <br>.17 | .28               | 3 |                     |                     |
|                             | 3-7      |             |             | 7-27<br>7-27 | 1.20-1.50                  | 0.6-2                  | 0.06-0.12                      | 0.0-2.9                 | 1.0-2.0           | . 17    | .20               |   |                     |                     |
|                             | 7-17     |             |             | 12-27        | 1.20-1.60                  | 0.6-2                  | 0.04-0.10                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 17-24    |             |             | 12-27        | 1.20-1.60                  | 2-6                    | 0.04-0.10                      | 0.0-2.9                 |                   |         |                   |   |                     |                     |
|                             | 24-29    |             |             |              |                            | 0.2-20                 |                                |                         |                   |         |                   |   |                     |                     |
| Shelocta                    | 0-0      |             |             |              |                            |                        |                                |                         |                   |         |                   | 4 |                     |                     |
| Silelocia                   | 0-4      |             |             | 10-25        | 1.15-1.30                  | 0.6-2                  | 0.12-0.18                      | 0.0-2.9                 | 0.5-5.0           | .28     | .37               | _ |                     |                     |
|                             | 4-11     |             |             | 18-34        | 1.30-1.55                  | 0.6-2                  | 0.10-0.20                      | 0.0-2.9                 |                   | .28     | .32               |   |                     |                     |
|                             | 11-24    |             |             | 18-34        | 1.30-1.55                  | 0.6-2                  | 0.10-0.20                      | 0.0-2.9                 |                   | .28     | .32               |   |                     |                     |
|                             | 24-39    |             |             | 18-34        | 1.30-1.55                  | 0.6-2                  | 0.10-0.20                      | 0.0-2.9                 |                   | .28     | .32               |   |                     |                     |
|                             | 39-55    |             |             | 18-34        | 1.30-1.55                  | 0.6-2                  | 0.10-0.20                      | 0.0-2.9                 |                   | .28     | .32               |   |                     |                     |
|                             | 55-65    |             |             | 18-34        | 1.30-1.55                  | 0.6-2                  | 0.10-0.20                      | 0.0-2.9                 |                   | .28     | .32               |   |                     |                     |
| Cloverlick                  |          |             |             |              |                            |                        |                                |                         |                   |         |                   |   |                     |                     |

Lincoln County, West Virginia

| Map Symbol<br>and Soil Name | Depth In   | Sand<br>Pct  | Silt<br>Pct  | Clay<br>pct  | Moist Bulk<br>Density g/cc   | Permeability<br>(Ksat)<br>In/Hr                                 | Available<br>Water<br>Capacity<br>In/In                                    | Linear<br>Extensibility<br>Pct                                 | Organic<br>Matter<br>Pct |                          | rosion<br>actors<br>Kf   | Т | Wind<br>Erodibility<br>Group | Wind<br>Erodibility<br>Index |
|-----------------------------|--|--------------|--------------|--|--|---|--|--|--------------------------|--------------------------|--------------------------|---|------------------------------|------------------------------|
|                             |  | <u> </u>     |              |  |  |   |  |  |                          | 1                        | 1 1                      |   |                              |                              |
| 39F:                        |  |              |              |  |  |   |  |  |                          |                          |                          |   |                              |                              |
| Highsplint                  |  |              |              |  |  |   |  |  |                          |                          |                          |   |                              |                              |
| Matewan                     |  |              |              |  |  |   |  |  |                          |                          |                          |   |                              |                              |
| Other Soils                 | 0-7<br>7-20<br>20-35<br>35-45                            | <br><br>     | <br><br>     | 10-25<br>18-34<br>20-34<br>20-34                   | 1.15-1.30<br>1.30-1.55<br>1.30-1.55<br>1.30-1.55                           | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-6                                | 0.16-0.22<br>0.10-0.20<br>0.10-0.20<br>0.08-0.16                           | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9                       | 1.0-5.0<br><br>          | .32<br>.28<br>.28<br>.17 | .32<br>.32<br>.32<br>.28 |   |                              |                              |
| 40D:                        | 45-65  |              |              | 15-34  | 1.30-1.55  | 0.6-6   | 0.08-0.16  | 0.0-2.9  |                          | .17                      | .28                      |   |                              |                              |
| Dormont                     | 0-7<br>7-11<br>11-23<br>23-30<br>30-40<br>40-54<br>54-59 | <br><br><br> | <br><br><br> | 12-27<br>12-27<br>27-40<br>27-40<br>27-40<br>27-40 | 1.20-1.40<br>1.20-1.40<br>1.40-1.60<br>1.40-1.60<br>1.40-1.60<br>1.30-1.60 | 0.6-2<br>0.6-2<br>0.2-0.6<br>0.2-0.6<br>0.2-0.6<br>0.2-0.6      | 0.16-0.20<br>0.16-0.20<br>0.14-0.18<br>0.14-0.18<br>0.14-0.18<br>0.08-0.12 | 0.0-2.9<br>0.0-2.9<br>3.0-6.0<br>3.0-6.0<br>3.0-6.0<br>3.0-6.0 | 2.0-4.0                  | .43                      | .49                      | 3 | 6                            | 48                           |
| Latham                      | 0-4<br>4-8<br>8-28<br>28-33<br>33-36<br>36-44            | <br><br>     | <br><br><br> | 20-27<br>20-27<br>27-55<br>35-55<br>35-55          | 1.30-1.50<br>1.30-1.50<br>1.40-1.77<br>1.40-1.70<br>1.40-1.70              | 0.6-2<br>0.6-2<br>0.2-0.6<br>0.06-0.2<br>0.06-0.2<br>0.0000-0.2 | 0.16-0.20<br>0.16-0.20<br>0.11-0.19<br>0.11-0.15<br>0.11-0.15              | 0.0-2.9<br>0.0-2.9<br>3.0-9.0<br>6.0-9.0<br>6.0-9.0            | 2.0-4.0                  | .43<br><br><br>          | .49<br><br><br>          | 3 | 6                            | 48                           |
| Other Soils                 |  |              |              |  |  |   |  |  |                          |                          |                          |   |                              |                              |

40E:

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | ,        | Pct  | Pct  | pct   | Density g/cc | Ìn/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 40E:          |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Dormont       | 0-7      |      |      | 12-27 | 1.20-1.40    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 | 2.0-4.0           | .43 | .49              | 3 | 6                   | 48                  |
|               | 7-11     |      |      | 12-27 | 1.20-1.40    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 11-23    |      |      | 27-40 | 1.40-1.60    | 0.2-0.6                | 0.14-0.18          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 23-30    |      |      | 27-40 | 1.40-1.60    | 0.2-0.6                | 0.14-0.18          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 30-40    |      |      | 27-40 | 1.40-1.60    | 0.2-0.6                | 0.14-0.18          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 40-54    |      |      | 27-40 | 1.30-1.60    | 0.2-0.6                | 0.08-0.12          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 54-59    |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Latham        | 0-4      |      |      | 20-27 | 1.30-1.50    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 | 2.0-4.0           | .43 | .49              | 3 | 6                   | 48                  |
|               | 4-8      |      |      | 20-27 | 1.30-1.50    | 0.6-2                  | 0.16-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 8-28     |      |      | 27-55 | 1.40-1.77    | 0.2-0.6                | 0.11-0.19          | 3.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 28-33    |      |      | 35-55 | 1.40-1.70    | 0.06-0.2               | 0.11-0.15          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 33-36    |      |      | 35-55 | 1.40-1.70    | 0.06-0.2               | 0.11-0.15          | 6.0-9.0                 |                   |     |                  |   |                     |                     |
|               | 36-44    |      |      |       |              | 0.0000-0.2             |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| 42D:          |          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Beech         | 0-1      |      |      |       |              |                        |                    |                         |                   |     |                  | 5 |                     |                     |
|               | 1-7      |      |      | 7-27  | 1.20-1.40    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                     |                     |
|               | 7-10     |      |      | 7-27  | 1.20-1.40    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 10-22    |      |      | 7-27  | 1.30-1.60    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-36    |      |      | 27-40 | 1.30-1.60    | 0.2-0.6                | 0.10-0.16          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 36-45    |      |      | 7-27  | 1.30-1.60    | 0.6-2                  | 0.10-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 45-52    |      |      | 7-27  | 1.30-1.60    | 0.6-2                  | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 52-65    |      |      | 7-27  | 1.30-1.60    | 0.6-2                  | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |

Lincoln County, West Virginia

| Map Symbol    | Depth In     | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|--------------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | J Spair III. | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 42D:          |              |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Shelocta      | 0-1          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
|               | 1-7          |      |      | 10-27 | 1.20-1.40    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 | 1.0-4.0           | .28 | .32              |   |                     |                     |
|               | 7-10         |      |      | 10-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   | .28 | .32              |   |                     |                     |
|               | 10-22        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-36        |      |      | 27-40 | 1.30-1.50    | 0.1-2                  | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 36-45        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 45-52        |      |      | 15-25 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 52-65        |      |      | 10-20 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               |              |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   | 0-1          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
|               | 1-7          |      |      | 10-27 | 1.20-1.40    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 | 1.0-4.0           | .28 | .32              |   |                     |                     |
|               | 7-10         |      |      | 10-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   | .28 | .32              |   |                     |                     |
|               | 10-22        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-36        |      |      | 27-40 | 1.30-1.50    | 0.1-2                  | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 36-45        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 45-52        |      |      | 15-25 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 52-65        |      |      | 10-20 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| V             | 0.4          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Vandalia      | 0-1          |      |      |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
|               | 1-7          |      |      | 10-27 | 1.20-1.40    | 0.6-2                  | 0.14-0.20          | 0.0-2.9                 | 1.0-4.0           | .28 | .32              |   |                     |                     |
|               | 7-10         |      |      | 10-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   | .28 | .32              |   |                     |                     |
|               | 10-22        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-36        |      |      | 27-40 | 1.30-1.50    | 0.1-2                  | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 36-45        |      |      | 15-27 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 45-52        |      |      | 15-25 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 52-65        |      |      | 10-20 | 1.20-1.40    | 0.2-2                  | 0.10-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |

42E:

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability    | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|-----------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | Бершт    | Pct  | Pct  | pct   | Density g/cc | (Ksat)<br>In/Hr | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 42E:          |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Beech         | 0-1      |      |      |       |              |                 |                    |                         |                   |     |                  | 5 |                     |                     |
|               | 1-7      |      |      | 7-27  | 1.20-1.40    | 0.6-2           | 0.14-0.20          | 0.0-2.9                 | 2.0-4.0           | .32 | .43              |   |                     |                     |
|               | 7-10     |      |      | 7-27  | 1.20-1.40    | 0.6-2           | 0.14-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 10-22    |      |      | 7-27  | 1.30-1.60    | 0.6-2           | 0.14-0.20          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 22-36    |      |      | 27-40 | 1.30-1.60    | 0.2-0.6         | 0.10-0.16          | 3.0-6.0                 |                   |     |                  |   |                     |                     |
|               | 36-45    |      |      | 7-27  | 1.30-1.60    | 0.6-2           | 0.10-0.14          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 45-52    |      |      | 7-27  | 1.30-1.60    | 0.6-2           | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 52-65    |      |      | 7-27  | 1.30-1.60    | 0.6-2           | 0.08-0.13          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Vandalia      |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Shelocta      |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| 43E:          |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Pineville     | 0-1      |      |      |       |              |                 |                    |                         |                   |     |                  | 4 | 5                   | 56                  |
|               | 1-3      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.12-0.22          | 0.0-2.9                 | 1.0-4.0           | .20 | .37              | - | -                   |                     |
|               | 3-6      |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.13-0.18          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 6-14     |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.13-0.18          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 14-37    |      |      | 15-27 | 1.20-1.40    | 0.6-2           | 0.13-0.18          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 37-48    |      |      | 7-20  | 1.20-1.50    | 0.6-2           | 0.08-0.17          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 48-65    |      |      | 7-20  | 1.20-1.50    | 0.6-2           | 0.08-0.17          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Cloverlick    |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Highsplint    |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Beech         |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |          |      |      |       |              |                 |                    |                         |                   |     |                  |   |                     |                     |

| Map Symbol    | Depth In | Sand | Silt | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | Erosion<br>Factors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|------|------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|--------------------|---|---------------------|---------------------|
| and Soil Name | Берш Ш   | Pct  | Pct  | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf                 | Т | Group               | Index               |
| 45C:          |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| Vandalia      | 0-3      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 | 2.0-4.0           | .37 | .43                | 4 | 6                   | 48                  |
|               | 3-7      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 |                   |     |                    | - | -                   |                     |
|               | 7-15     |      |      | 27-40 | 1.30-1.60    | 0.06-0.6               | 0.12-0.15          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 15-28    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 28-55    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 55-65    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
| Shelocta      |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| Beech         |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| 45D:          |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| Vandalia      | 0-3      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 | 2.0-4.0           | .37 | .43                | 4 | 6                   | 48                  |
|               | 3-7      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 |                   |     |                    |   |                     |                     |
|               | 7-15     |      |      | 27-40 | 1.30-1.60    | 0.06-0.6               | 0.12-0.15          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 15-28    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 28-55    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 55-65    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
| Shelocta      |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| Beech         |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| 45E:          |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |
| Vandalia      | 0-3      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 | 2.0-4.0           | .37 | .43                | 4 | 6                   | 48                  |
|               | 3-7      |      |      | 12-27 | 1.20-1.50    | 0.2-2                  | 0.12-0.18          | 3.0-6.0                 |                   |     |                    |   | -                   | -                   |
|               | 7-15     |      |      | 27-40 | 1.30-1.60    | 0.06-0.6               | 0.12-0.15          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 15-28    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 28-55    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
|               | 55-65    |      |      | 40-60 | 1.30-1.60    | 0.06-0.2               | 0.08-0.12          | 6.0-9.0                 |                   |     |                    |   |                     |                     |
| Beech         |          |      |      |       |              |                        |                    |                         |                   |     |                    |   |                     |                     |

| Map Symbol    | 5 "           | Sand | Silt | Clay           | Moist Bulk             | Permeability    | Available<br>Water     | Linear               | Organic       |     | rosion |   | Wind                 | Wind                 |
|---------------|---------------|------|------|----------------|------------------------|-----------------|------------------------|----------------------|---------------|-----|--------|---|----------------------|----------------------|
| and Soil Name | Depth In      | Pct  | Pct  | pct            | Density g/cc           | (Ksat)<br>In/Hr | Capacity<br>In/In      | Extensibility<br>Pct | Matter<br>Pct | Kw  | Kf     | Т | Erodibility<br>Group | Erodibility<br>Index |
| 45E:          |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Shelocta      |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| 47:           |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Guyan         | 0-5<br>5-10   |      |      | 12-27          | 1.20-1.40              | 0.6-2           | 0.18-0.22<br>0.18-0.22 | 0.0-2.9<br>0.0-2.9   | 2.0-4.0       | .32 | .32    | 5 |                      |                      |
|               | 5-10<br>10-16 |      |      | 12-27<br>12-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2  | 0.18-0.22              | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 16-50         |      |      | 27-40          | 1.25-1.55              | 0.6-2           | 0.16-0.22              | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 50-65         |      |      | 27-40          | 1.25-1.55              | 0.6-2           | 0.14-0.20              | 0.0-2.9              |               |     |        |   |                      |                      |
| Cotaco        |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Monongahela   |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Purdy         |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| 71B:          |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Kaymine       | 0-3           |      |      | 7-27           | 1.35-1.65              | 0.6-6           | 0.07-0.17              | 0.0-2.9              | 0.0-1.0       | .28 | .43    | 5 |                      |                      |
| •             | 3-23          |      |      | 12-27          | 1.35-1.65              | 0.6-6           | 0.07-0.17              | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 23-65         |      |      | 7-27           | 1.35-1.65              | 0.6-6           | 0.07-0.17              | 0.0-2.9              |               |     |        |   |                      |                      |
| Fiveblock     | 0-4           |      |      | 7-27           | 1.35-1.65              | 2-20            | 0.05-0.12              | 0.0-2.9              | 0.0-1.0       | .32 | .43    | 5 |                      |                      |
|               | 4-25          |      |      | 7-20           | 1.35-1.65              | 2-20            | 0.05-0.12              | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 25-50         |      |      | 7-20           | 1.35-1.65              | 2-20            | 0.05-0.12              | 0.0-2.9              |               |     |        |   |                      |                      |
|               | 50-65         |      |      | 7-20           | 1.35-1.65              | 2-20            | 0.05-0.12              | 0.0-2.9              |               |     |        |   |                      |                      |
| Sewell        |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Cedarcreek    |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Fairpoint     |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |
| Other Soils   |               |      |      |                |                        |                 |                        |                      |               |     |        |   |                      |                      |

| Map Symbol    | Depth In                      | Sand     | Silt     | Clay                         | Moist Bulk                                       | Permeability<br>(Ksat)           | Available<br>Water                               | Linear<br>Extensibility                  | Organic<br>Matter |             | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|-------------------------------|----------|----------|------------------------------|--|----------------------------------|--|--|-------------------|-------------|------------------|---|---------------------|---------------------|
| and Soil Name | 2000                          | Pct      | Pct      | pct                          | Density g/cc                                     | In/Hr                            | Capacity<br>In/In                                | Pct                                      | Pct               | Kw          | Kf               | Т | Group               | Index               |
| 71B:          |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| 71F:          |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| Kaymine       | 0-3<br>3-23<br>23-65          | <br>     | <br>     | 7-27<br>12-27<br>7-27        | 1.35-1.65<br>1.35-1.65<br>1.35-1.65              | 0.6-6<br>0.6-6<br>0.6-6          | 0.07-0.17<br>0.07-0.17<br>0.07-0.17              | 0.0-2.9<br>0.0-2.9<br>0.0-2.9            | 0.0-1.0<br><br>   | .28         | .43<br>          | 5 |                     |                     |
| Fiveblock     | 0-4<br>4-25<br>25-50<br>50-65 | <br><br> | <br><br> | 7-27<br>7-20<br>7-20<br>7-20 | 1.35-1.65<br>1.35-1.65<br>1.35-1.65<br>1.35-1.65 | 2-20<br>2-20<br>2-20<br>2-20     | 0.05-0.12<br>0.05-0.12<br>0.05-0.12<br>0.05-0.12 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 0.0-1.0<br><br>   | .32<br><br> | .43<br><br>      | 5 |                     |                     |
| Sewell        |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| Fairpoint     |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| Other Soils   |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| 74F:          |                               |          |          |                              |  |                                  |  |  |                   |             |                  |   |                     |                     |
| Kaymine       | 0-3<br>3-23<br>23-65          | <br>     | <br>     | 7-27<br>12-27<br>7-27        | 1.35-1.65<br>1.35-1.65<br>1.35-1.65              | 0.6-6<br>0.6-6<br>0.6-6          | 0.07-0.17<br>0.07-0.17<br>0.07-0.17              | 0.0-2.9<br>0.0-2.9<br>0.0-2.9            | 0.0-1.0<br><br>   | .28<br>     | .43<br>          | 5 | 8                   | 0                   |
| Cedarcreek    | 0-3<br>3-25<br>25-50<br>50-65 | <br><br> | <br><br> | 7-27<br>7-27<br>7-27<br>7-27 | 1.35-1.65<br>1.35-1.65<br>1.35-1.65<br>1.35-1.65 | 0.6-6<br>0.6-6<br>0.6-6<br>0.6-6 | 0.07-0.16<br>0.07-0.16<br>0.07-0.16<br>0.07-0.16 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 0.0-1.0<br><br>   | .28<br><br> | .43<br><br>      | 5 | 8                   | 0                   |

| Map Symbol    | Depth In | Sand  | Silt  | Clay  | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |     | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|----------|-------|-------|-------|--------------|------------------------|--------------------|-------------------------|-------------------|-----|------------------|---|---------------------|---------------------|
| and Soil Name | Depth in | Pct   | Pct   | pct   | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw  | Kf               | Т | Group               | Index               |
| 74F:          |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Matewan       | 0-1      |       |       |       |              |                        |                    |                         |                   |     |                  | 2 |                     |                     |
|               | 1-3      |       |       | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 | 2.0-4.0           | .24 | .20              |   |                     |                     |
|               | 3-6      |       |       | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 6-15     |       |       | 7-20  | 1.20-1.50    | 6-20                   | 0.08-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 15-23    |       |       | 7-20  | 1.20-1.50    | 6-20                   | 0.06-0.12          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 23-31    |       |       | 7-20  | 1.20-1.50    | 6-20                   | 0.05-0.10          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 31-36    |       |       |       |              | 2-6                    |                    |                         |                   |     |                  |   |                     |                     |
| Fairpoint     |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Fiveblock     |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Other Soils   |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| 75F:          |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Cedarcreek    | 0-3      |       |       | 7-27  | 1.35-1.65    | 0.6-6                  | 0.07-0.16          | 0.0-2.9                 | 0.0-1.0           | .28 | .43              | 5 | 8                   | 0                   |
| Occurrence    | 3-25     |       |       | 7-27  | 1.35-1.65    | 0.6-6                  | 0.07-0.16          | 0.0-2.9                 |                   |     |                  | Ü | Ü                   | Ū                   |
|               | 25-50    |       |       | 7-27  | 1.35-1.65    | 0.6-6                  | 0.07-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
|               | 50-65    |       |       | 7-27  | 1.35-1.65    | 0.6-6                  | 0.07-0.16          | 0.0-2.9                 |                   |     |                  |   |                     |                     |
| Other Soils   |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Rock Outcrop  |          |       |       |       |              |                        |                    |                         |                   |     |                  |   | 8                   | 0                   |
| 121:          |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |
| Lindside      | 0-8      | 25-45 | 28-50 | 15-27 | 1.20-1.40    | 0.6-2                  | 0.12-0.22          | 0.0-2.9                 | 1.0-4.0           | .32 | .32              | 5 |                     |                     |
| 33140         | 8-15     | 25-45 | 28-50 | 15-27 | 1.20-1.40    | 0.6-2                  | 0.13-0.18          | 0.0-2.9                 |                   | .32 | .32              |   |                     |                     |
|               | 15-40    | 25-45 | 28-50 | 15-27 | 1.20-1.40    | 0.6-2                  | 0.13-0.18          | 0.0-2.9                 |                   | .32 | .32              |   |                     |                     |
|               | 40-50    | 52-65 | 25-35 | 7-20  | 1.20-1.50    | 0.6-2                  | 0.08-0.17          | 0.0-2.9                 |                   | .28 | .28              |   |                     |                     |
|               | 50-65    | 52-65 | 25-35 | 7-20  | 1.20-1.50    | 0.6-2                  | 0.08-0.17          | 0.0-2.9                 |                   | .28 | .28              |   |                     |                     |
| Melvin        |          |       |       |       |              |                        |                    |                         |                   |     |                  |   |                     |                     |

| Map Symbol    | Depth In                               | Sand                                      | Silt                                      | Clay                                    | Moist Bulk  | Permeability<br>(Ksat)                    | Available<br>Water  | Linear<br>Extensibility                             | Organic<br>Matter   |                                 | Erosion<br>Factors              |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|--|---|---|---|---|---|---|---|---------------------|---------------------------------|---------------------------------|---|---------------------|---------------------|
| and Soil Name | Depuirin                               | Pct                                       | Pct                                       | pct                                     | Density g/cc  | In/Hr                                     | Capacity<br>In/In   | Pct   | Pct                 | Kw                              | Kf                              | Т | Group               | Index               |
| 121:          |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Newark        |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Senecaville   |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| 122:          |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Senecaville   | 0-6<br>6-16                            |   |   | 12-27<br>12-27                          | 1.20-1.40<br>1.20-1.40  | 0.6-2<br>0.6-2                            | 0.18-0.24<br>0.12-0.18  | 0.0-2.9<br>0.0-2.9                                  | 2.0-4.0             | .32                             | .43<br>                         | 5 | 5                   | 56                  |
|               | 16-30<br>30-48                         |   |   | 12-27<br>12-27                          | 1.20-1.40<br>1.20-1.40  | 0.2-2<br>0.6-2                            | 0.12-0.18<br>0.12-0.18  | 3.0-6.0<br>0.0-2.9                                  |                     |                                 |                                 |   |                     |                     |
|               | 48-65                                  |   |   | 7-20                                    | 1.20-1.40   | 0.6-2                                     | 0.12-0.18   | 0.0-2.9   |                     |                                 |                                 |   |                     |                     |
| Lindside      |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Melvin        |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| 124B:         |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Cotaco        | 0-8<br>8-15<br>15-40<br>40-50<br>50-65 | 25-45<br>25-45<br>25-45<br>52-65<br>52-65 | 28-50<br>28-50<br>28-50<br>25-35<br>25-35 | 15-27<br>15-27<br>15-27<br>7-20<br>7-20 | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2 | 0.12-0.22<br>0.13-0.18<br>0.13-0.18<br>0.08-0.17<br>0.08-0.17 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 1.0-4.0<br><br><br> | .32<br>.32<br>.32<br>.28<br>.28 | .32<br>.32<br>.32<br>.28<br>.28 | 3 | 5                   | 56                  |
| Other Soils   |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |
| Urban Land    | 0-8<br>8-15<br>15-40<br>40-50<br>50-65 | 25-45<br>25-45<br>25-45<br>52-65<br>52-65 | 28-50<br>28-50<br>28-50<br>25-35<br>25-35 | 15-27<br>15-27<br>15-27<br>7-20<br>7-20 | 1.20-1.40<br>1.20-1.40<br>1.20-1.40<br>1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2<br>0.6-2<br>0.6-2<br>0.6-2 | 0.12-0.22<br>0.13-0.18<br>0.13-0.18<br>0.08-0.17<br>0.08-0.17 | 0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9<br>0.0-2.9 | 1.0-4.0<br><br><br> | .32<br>.32<br>.32<br>.28        | .32<br>.32<br>.32<br>.28<br>.28 |   |                     |                     |
| Allegheny     |  |   |   |   |   |   |   |   |                     |                                 |                                 |   |                     |                     |

| Map Symbol       |                | Sand           | Silt           | Clay           | Moist Bulk             | Permeability    | Available<br>Water     | Linear               | Organic       |            | Frosion actors |   | Wind                 | Wind                 |
|------------------|----------------|----------------|----------------|----------------|------------------------|-----------------|------------------------|----------------------|---------------|------------|----------------|---|----------------------|----------------------|
| and Soil Name    | Depth In       | Pct            | Pct            | pct            | Density g/cc           | (Ksat)<br>In/Hr | Capacity<br>In/In      | Extensibility<br>Pct | Matter<br>Pct | Kw         | Kf             | Т | Erodibility<br>Group | Erodibility<br>Index |
| 124B:            |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| 124C:            |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Cotaco           | 0-8<br>8-15    | 25-45<br>25-45 | 28-50<br>28-50 | 15-27<br>15-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2  | 0.12-0.22<br>0.13-0.18 | 0.0-2.9<br>0.0-2.9   | 1.0-4.0       | .32<br>.32 | .32<br>.32     | 3 | 5                    | 56                   |
|                  | 15-40          | 25-45          | 28-50          | 15-27          | 1.20-1.40              | 0.6-2           | 0.13-0.18              | 0.0-2.9              |               | .32        | .32            |   |                      |                      |
|                  | 40-50<br>50-65 | 52-65<br>52-65 | 25-35<br>25-35 | 7-20<br>7-20   | 1.20-1.50<br>1.20-1.50 | 0.6-2<br>0.6-2  | 0.08-0.17<br>0.08-0.17 | 0.0-2.9<br>0.0-2.9   |               | .28<br>.28 | .28<br>.28     |   |                      |                      |
|                  | 30-03          | 3 <u>2</u> -03 | 20-00          | 7-20           | 1.20-1.50              | 0.0-2           | 0.00-0.17              | 0.0-2.5              |               | .20        | .20            |   |                      |                      |
| Other Soils      |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Urban Land       | 0-8            | 25-45          | 28-50          | 15-27          | 1.20-1.40              | 0.6-2           | 0.12-0.22              | 0.0-2.9              | 1.0-4.0       | .32        | .32            |   |                      |                      |
|                  | 8-15<br>15-40  | 25-45<br>25-45 | 28-50<br>28-50 | 15-27<br>15-27 | 1.20-1.40<br>1.20-1.40 | 0.6-2<br>0.6-2  | 0.13-0.18<br>0.13-0.18 | 0.0-2.9<br>0.0-2.9   |               | .32<br>.32 | .32<br>.32     |   |                      |                      |
|                  | 40-50          | 52-65          | 25-35          | 7-20           | 1.20-1.50              | 0.6-2           | 0.08-0.17              | 0.0-2.9              |               | .28        | .28            |   |                      |                      |
|                  | 50-65          | 52-65          | 25-35          | 7-20           | 1.20-1.50              | 0.6-2           | 0.08-0.17              | 0.0-2.9              |               | .28        | .28            |   |                      |                      |
| Allegheny        |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| 180:             |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Urban Land       |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Other Soils      |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| 181:             |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Udorthents       |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Urban Land       |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
|                  |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| M:<br>Udorthents |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Cacrationto      |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |
| Other Soils      |                |                |                |                |                        |                 |                        |                      |               |            |                |   |                      |                      |

Lincoln County, West Virginia

| Map Symbol    | Depth In  | Sand | Silt | Clay | Moist Bulk   | Permeability<br>(Ksat) | Available<br>Water | Linear<br>Extensibility | Organic<br>Matter |    | rosion<br>actors |   | Wind<br>Erodibility | Wind<br>Erodibility |
|---------------|-----------|------|------|------|--------------|------------------------|--------------------|-------------------------|-------------------|----|------------------|---|---------------------|---------------------|
| and Soil Name | Deptiriii | Pct  | Pct  | pct  | Density g/cc | In/Hr                  | Capacity<br>In/In  | Pct                     | Pct               | Kw | Kf               | Т | Group               | Index               |

M:

W:

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